



United States Department of Agriculture
Natural Resources Conservation Service

Air Quality & Atmospheric Change

Air Quality Conservation Activities – Agricultural Odor



Conservation Activities

There are a variety of conservation activities that directly or indirectly address air quality and atmospheric change issues related to agricultural operations. Some of these may be applicable for payments under USDA Conservation Programs such as the Environmental Quality Incentives Program (EQIP), or the Conservation Security Program (CSP).

Benefits

The following activities will provide observable improvements in air quality by reducing: airborne odors from animal production and waste management, utilization, and disposal.

- Utilize dry scrubbers to treat exhaust gases from animal buildings
- Utilize an approved feed management system using animal nutrition planning for odor control
- Install windbreaks around facilities to disrupt wind flow and dilute concentrations of odorous substances in the air, and intercept and filter odorous substances in the air
- Inject waste 2 inches or more below soil surface or incorporate applied waste within 24 hours
- Use odor-control additives in manure storage structures and areas
- Cover storage pits or lagoons to collect odorous gases emitted from the stored waste
- Use bio-filters on animal buildings to filter exhausts